

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

DECEMBER 1960

TRADE IN GRAIN FUTURES

U. S. DEPARTMENT OF AGRICULTURE

WASHINGTON 25, D. C.

**ISSUED MONTHLY
BY**

**COMMODITY
EXCHANGE
AUTHORITY**

VOL. 27

NO. 6

CONTENTS

WHEAT:

- Table 1. Volume of trading, all futures combined, by markets
- Table 2. Volume of trading, Chicago Board of Trade
- Table 3. Open contracts, all futures combined, by markets
- Table 4. Open contracts, Chicago Board of Trade
- Table 5. Daily closing prices, at Chicago, Minneapolis and Kansas City
- Table 6. High, low and closing prices, three principal futures,
Chicago Board of Trade
- Table 7. Commitments of traders in Wheat futures

CORN:

- Table 8. Volume of trading, all futures combined, by markets
- Table 9. Volume of trading, Chicago Board of Trade
- Table 10. Open contracts, all futures combined, by markets
- Table 11. Open contracts, Chicago Board of Trade
- Table 12. High, Low and closing prices, three principal futures,
Chicago Board of Trade

OATS:

- Table 13. Volume of trading, all futures combined, by markets
- Table 14. Volume of trading, Chicago Board of Trade
- Table 15. Open contracts, all futures combined, by markets
- Table 16. Open contracts, Chicago Board of Trade
- Table 17. Daily closing prices, at Chicago, Minneapolis and Winnipeg;
and rate of exchange, Canadian currency
- Table 18. High, low and closing prices, three principal futures,
Chicago Board of Trade

RYE:

- Table 19. Volume of trading, all futures combined, by markets
- Table 20. Volume of trading, Chicago Board of Trade
- Table 21. Open contracts, all futures combined, by markets
- Table 22. Open contracts, Chicago Board of Trade
- Table 23. Daily closing prices, at Chicago and Winnipeg
- Table 24. High, low and closing prices, three principal futures,
Chicago Board of Trade

SOYBEANS:

- Table 25. Volume of trading, all futures combined, by markets
- Table 26. Volume of trading, Chicago Board of Trade
- Table 27. Open contracts, all futures combined, by markets
- Table 28. Open contracts, Chicago Board of Trade
- Table 29. High, low and closing prices, three principal futures,
Chicago Board of Trade
- Table 30. Commitments of traders in Soybean futures

DELIVERIES:

- Table 31. 1960 NOVEMBER FUTURE: Deliveries of grain on all contract
markets

- - - - -

KEY: a-asked price b-bid price n-nominal quotation

The open contract figures shown in this publication are aggregates of positions (one side only) reported by clearing members.

Table 1. WHEAT: Volume of trading, all futures combined, by markets
December 1960

Date	Chicago Board of Trade	Minneapolis Grain Exchange	Kansas City Board of Trade	Other contract markets	Total
1960 December	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1	9,790	628	1,974	86	12,478
2	7,111	718	1,519	77	9,425
Saturday					
Sunday					
5	5,225	382	1,179	53	6,839
6	5,928	454	1,220	49	7,651
7	6,708	570	1,705	124	9,107
8	10,386	567	698	85	11,736
9	8,815	354	911	95	10,175
Saturday					
Sunday					
12	5,444	482	959	101	6,986
13	7,513	606	715	77	8,911
14	6,354	372	1,027	48	7,801
15	5,188	468	910	82	6,648
16	4,639	696	540	33	5,908
Saturday					
Sunday					
19	7,144	428	913	50	8,535
20	11,948	308	868	118	13,242
21	9,360	152	901	136	10,549
22	4,584	277	805	71	5,737
23	6,523	263	1,181	71	8,038
Saturday					
Sunday					
Holiday					
27	6,332	302	1,108	71	7,813
28	5,213	278	772	75	6,338
29	4,619	191	716	95	5,621
30	7,428	527	701	42	8,698
Saturday					
Total					
Dec. 1960	146,252	9,023	21,322	1,639	178,236
Nov. 1960	206,794	21,803	30,502	2,621	261,720
Dec. 1959	146,925	13,525	18,483	2,234	181,167

Table 2. WHEAT: Volume of trading, Chicago Board of Trade
December 1960

Date	Future					All futures
	December	March	May	July	September	
1960	1,000	1,000	1,000	1,000	1,000	1,000
December	bushels	bushels	bushels	bushels	bushels	bushels
1	2,592	4,760	1,958	419	61	9,790
2	1,521	2,835	1,953	676	126	7,111
Saturday						
Sunday						
5	797	2,707	1,525	136	60	5,225
6	929	3,055	1,363	540	41	5,928
7	1,482	3,520	1,437	213	56	6,708
8	1,471	5,206	2,705	899	105	10,386
9	1,237	4,006	2,699	738	135	8,815
Saturday						
Sunday						
12	545	2,496	1,897	436	70	5,444
13	541	3,304	1,870	1,352	446	7,513
14	673	3,122	1,773	744	42	6,354
15	679	2,724	1,079	690	16	5,188
16	642	1,948	674	1,123	252	4,639
Saturday						
Sunday						
19	1,170	3,005	1,747	1,017	205	7,144
20	2,518	5,936	2,667	741	86	11,948
21	---	5,109	2,730	1,196	325	9,360
22	---	1,763	1,893	780	148	4,584
23	---	3,519	1,907	845	252	6,523
Saturday						
Sunday						
Holiday						
27	---	2,814	2,017	1,211	290	6,332
28	---	2,458	2,307	443	5	5,213
29	---	2,111	1,633	794	81	4,619
30	---	2,423	3,343	895	767	7,428
Saturday						
Total						
Dec. 1960	16,797	68,821	41,177	15,888	3,569	146,252
Nov. 1960	69,650	64,841	42,785	23,664	5,854	206,794
Dec. 1959	28,244	67,780	35,706	10,318	4,877	146,925

Table 3. WHEAT: Open contracts, all futures combined, by markets
December 1960

Date	Chicago Board of Trade	Minneapolis Grain Exchange	Kansas City Board of Trade	Other contract markets	Total
1960	1,000	1,000	1,000	1,000	1,000
December	bushels	bushels	bushels	bushels	bushels
1	71,110	9,026	12,424	426	92,986
2	71,353	9,190	11,811	445	92,799
Saturday					
Sunday					
5	70,503	9,145	11,716	450	91,814
6	70,769	9,040	11,677	463	91,949
7	70,312	8,805	11,287	395	90,799
8	70,727	8,790	11,297	406	91,220
9	70,359	8,627	11,412	354	90,752
Saturday					
Sunday					
12	70,178	8,422	11,364	388	90,352
13	70,436	8,389	11,259	390	90,474
14	70,047	8,451	11,369	390	90,257
15	69,506	8,533	11,114	403	89,556
16	69,273	8,630	11,219	388	89,510
Saturday					
Sunday					
19	70,153	8,668	11,295	395	90,511
20	68,156	8,707	11,330	361	88,554
21	68,700	8,676	11,625	396	89,397
22	69,453	8,600	11,865	421	90,339
23	68,765	8,445	12,105	423	89,738
Saturday					
Sunday					
Holiday					
27	69,213	8,398	12,476	419	90,506
28	69,258	8,338	12,341	410	90,347
29	69,116	8,157	12,317	407	89,997
30	67,741	7,903	12,175	404	88,223
Saturday					

Table 4. WHEAT: Open contracts, Chicago Board of Trade
December 1960

Date	Future					All futures
	December	March	May	July	September	
1960	1,000	1,000	1,000	1,000	1,000	1,000
December	bushels	bushels	bushels	bushels	bushels	bushels
1	8,105	31,904	19,988	8,825	2,288	71,110
2	7,674	31,966	20,384	8,977	2,352	71,353
Saturday						
Sunday						
5	7,252	31,423	20,454	9,022	2,352	70,503
6	7,266	31,169	20,805	9,147	2,382	70,769
7	6,648	31,068	21,030	9,165	2,401	70,312
8	6,176	31,666	21,007	9,522	2,356	70,727
9	5,328	31,703	21,399	9,603	2,326	70,359
Saturday						
Sunday						
12	5,158	31,641	21,458	9,620	2,301	70,178
13	4,690	31,647	21,698	9,978	2,423	70,436
14	4,586	31,321	21,487	10,195	2,458	70,047
15	4,320	30,657	21,576	10,500	2,453	69,506
16	3,759	30,336	21,657	11,057	2,464	69,273
Saturday						
Sunday						
19	2,941	30,950	22,134	11,596	2,532	70,153
20	715	30,575	22,690	11,645	2,531	68,156
21	640	30,835	22,880	11,809	2,536	68,700
22	640	30,921	23,108	12,178	2,606	69,453
23	125	30,549	23,105	12,299	2,687	68,765
Saturday						
Sunday						
Holiday						
27	15	30,236	23,271	12,859	2,832	69,213
28	5	30,194	23,181	13,046	2,832	69,258
29	---	29,967	23,052	13,209	2,888	69,116
30	---	29,710	21,679	13,423	2,929	67,741
Saturday						

Table 5. WHEAT: Daily closing prices, at Chicago, Minneapolis and Kansas City
December 1960

Date	1961 May future		
	Chicago Board of Trade	Minneapolis Grain Exchange	Kansas City Board of Trade
1960 December	Cents	Cents	Cents
1	201 3/4	210 3/8	197 7/8
2	201 1/2	209 5/8	197 3/4
Saturday			
Sunday			
5	202 1/8-202	208 5/8	197 5/8
6	201 3/4	208 1/2 b	197
7	202 3/8-1/4	209 1/8	197 1/4
8	202 7/8	208 1/2-5/8	197 1/2
9	203 1/2	208 5/8	197 1/2
Saturday			
Sunday			
12	203 1/2-5/8	208 3/8	197 7/8
13	202 1/2	207 7/8	197 5/8 b
14	203-202 7/8	208 1/4	198-197 7/8
15	202 5/8-1/2	207 3/4	197 5/8
16	202 5/8	207 3/4	197 1/4
Saturday			
Sunday			
19	202 1/4	207 1/2	196 3/4
20	202 7/8-3/4	207 5/8	197 1/8
21	204 1/4-204	208	197 1/2-5/8
22	204 1/8-1/4	207 3/4	197 3/4
23	204 3/4-7/8	208	198 1/8
Saturday			
Sunday			
Holiday			
27	203 1/2	207 3/4	197 5/8
28	204 1/8	207 3/4	197 7/8
29	204 5/8	207 3/4-5/8	198
30	204 7/8	207 5/8	197 3/8
Saturday			

Table 4. WHEAT: Open contracts, Chicago Board of Trade
December 1960

Date	Future					All futures
	December	March	May	July	September	
1960	1,000	1,000	1,000	1,000	1,000	1,000
December	bushels	bushels	bushels	bushels	bushels	bushels
1	8,105	31,904	19,988	8,825	2,288	71,110
2	7,674	31,966	20,384	8,977	2,352	71,353
Saturday						
Sunday						
5	7,252	31,423	20,454	9,022	2,352	70,503
6	7,266	31,169	20,805	9,147	2,382	70,769
7	6,648	31,068	21,030	9,165	2,401	70,312
8	6,176	31,666	21,007	9,522	2,356	70,727
9	5,328	31,703	21,399	9,603	2,326	70,359
Saturday						
Sunday						
12	5,158	31,641	21,458	9,620	2,301	70,178
13	4,690	31,647	21,698	9,978	2,423	70,436
14	4,586	31,321	21,487	10,195	2,458	70,047
15	4,320	30,657	21,576	10,500	2,453	69,506
16	3,759	30,336	21,657	11,057	2,464	69,273
Saturday						
Sunday						
19	2,941	30,950	22,134	11,596	2,532	70,153
20	715	30,575	22,690	11,645	2,531	68,156
21	640	30,835	22,880	11,809	2,536	68,700
22	640	30,921	23,108	12,178	2,606	69,453
23	125	30,549	23,105	12,299	2,687	68,765
Saturday						
Sunday						
Holiday						
27	15	30,236	23,271	12,859	2,832	69,213
28	5	30,194	23,181	13,046	2,832	69,258
29	---	29,967	23,052	13,209	2,888	69,116
30	---	29,710	21,679	13,423	2,929	67,741
Saturday						

Table 5. WHEAT: Daily closing prices, at Chicago, Minneapolis and Kansas City
December 1960

		1961 May future		
Date	Chicago	Minneapolis	Kansas City	
	Board of	Grain	Board of	
	Trade	Exchange	Trade	
1960				
December	Cents	Cents	Cents	
1	201 3/4	210 3/8	197 7/8	
2	201 1/2	209 5/8	197 3/4	
Saturday				
Sunday				
5	202 1/8-202	208 5/8	197 5/8	
6	201 3/4	208 1/2 b	197	
7	202 3/8-1/4	209 1/8	197 1/4	
8	202 7/8	208 1/2-5/8	197 1/2	
9	203 1/2	208 5/8	197 1/2	
Saturday				
Sunday				
12	203 1/2-5/8	208 3/8	197 7/8	
13	202 1/2	207 7/8	197 5/8 b	
14	203-202 7/8	208 1/4	198-197 7/8	
15	202 5/8-1/2	207 3/4	197 5/8	
16	202 5/8	207 3/4	197 1/4	
Saturday				
Sunday				
19	202 1/4	207 1/2	196 3/4	
20	202 7/8-3/4	207 5/8	197 1/8	
21	204 1/4-204	208	197 1/2-5/8	
22	204 1/8-1/4	207 3/4	197 3/4	
23	204 3/4-7/8	208	198 1/8	
Saturday				
Sunday				
Holiday				
27	203 1/2	207 3/4	197 5/8	
28	204 1/8	207 3/4	197 7/8	
29	204 5/8	207 3/4-5/8	198	
30	204 7/8	207 5/8	197 3/8	
Saturday				

Table 7. WHEAT: Commitments of traders
all contract markets ^{1/} combined,
November 30, and December 31, 1960

(In thousands of bushels)

Class ^{2/}	November 30, 1960		December 31, 1960		Net Change	
	Long	Short	Long	Short	Long	Short
Large traders						
Speculative:						
Long or short only	4,731	1,165	5,405	1,745	+ 674	+ 580
Long and short (spreading)	17,569	17,569	19,735	19,735	+ 2,166	+ 2,166
Total	22,300	18,734	25,140	21,480	+ 2,840	+ 2,746
Hedging	31,195	51,044	23,083	39,615	- 8,112	-11,429
Total reported by large traders	53,495	69,778	48,223	61,095	- 5,272	- 8,683
Small traders						
Speculative and hedging:	41,438	25,155	40,000	27,128	- 1,438	+ 1,973
Total commitments (open contracts)						
All contract markets	94,933	94,933	88,223	88,223	- 6,710	- 6,710
Percent of total commit- ments held by:						
Large traders	56.4	73.5	54.7	69.3	- 1.7	- 4.2
Small traders	43.6	26.5	45.3	30.7	+ 1.7	+ 4.2

^{1/} Chicago Board of Trade, Kansas City Board of Trade, Minneapolis Grain Exchange, Chicago Open Board of Trade and Milwaukee Grain Exchange.

^{2/} The commitments of large traders, those holding positions of 200,000 bushels or more in one future on one market, are shown as classified by them in regular reports to the Commodity Exchange Authority. The commitments of small traders are derived by subtracting reporting traders commitments from total commitments and include both speculative and hedging positions.

Table 8. CORN: Volume of trading, all futures combined, by markets
December 1960

Date	Chicago Board of Trade	Other contract markets	Total
1960	1,000	1,000	1,000
<u>December</u>	<u>bushels</u>	<u>bushels</u>	<u>bushels</u>
1	13,607	31	13,638
2	8,045	58	8,103
Saturday			
Sunday			
5	5,863	34	5,897
6	6,989	12	7,001
7	11,798	28	11,826
8	8,579	63	8,642
9	8,335	8	8,343
Saturday			
Sunday			
12	5,526	34	5,560
13	6,203	11	6,214
14	7,966	12	7,978
15	5,569	38	5,607
16	5,708	10	5,718
Saturday			
Sunday			
19	5,928	54	5,982
20	6,914	8	6,922
21	4,673	58	4,731
22	3,906	8	3,914
23	3,366	25	3,391
Saturday			
Sunday			
Holiday			
27	3,164	26	3,190
28	6,271	17	6,288
29	3,307	3	3,310
30	4,862	3	4,865
Saturday			
Total			
Dec. 1960	136,579	541	137,120
Nov. 1960	231,937	903	232,840
Dec. 1959	133,256	438	133,694

Table 9. CORN: Volume of trading, Chicago Board of Trade
December 1960

Date	Future					All futures
	December	March	May	July	September	
1960 December	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1	3,779	6,275	2,254	1,188	111	13,607
2	1,409	4,062	1,984	528	62	8,045
Saturday						
Sunday						
5	905	2,963	1,675	275	45	5,863
6	899	3,043	1,972	962	113	6,989
7	1,490	6,288	2,779	970	271	11,798
8	1,414	3,999	1,674	1,086	406	8,579
9	1,536	3,987	1,833	720	259	8,335
Saturday						
Sunday						
12	543	2,366	2,049	558	10	5,526
13	868	2,709	1,769	750	107	6,203
14	1,432	3,619	1,758	552	605	7,966
15	984	2,701	1,252	350	282	5,569
16	1,020	1,953	2,037	408	290	5,708
Saturday						
Sunday						
19	825	2,534	1,351	1,092	126	5,928
20	2,007	2,516	1,372	779	240	6,914
21	---	2,585	1,255	578	255	4,673
22	---	2,285	921	598	102	3,906
23	---	1,605	952	739	70	3,366
Saturday						
Sunday						
Holiday						
27	---	1,724	872	395	173	3,164
28	---	4,455	1,018	707	91	6,271
29	---	2,032	721	522	32	3,307
30	---	2,177	1,721	829	135	4,862
Saturday						
Total						
Dec. 1960	19,111	65,878	33,219	14,586	3,785	136,579
Nov. 1960	102,898	69,510	39,932	18,130	1,467	231,937
Dec. 1959	33,895	57,577	29,138	10,606	2,040	133,256

Table 10. CORN: Open contracts, all futures combined, by markets
December 1960

Date	Chicago Board of Trade	Other contract markets	Total
1960 December	1,000 bushels	1,000 bushels	1,000 bushels
1	77,691	184	77,875
2	77,981	141	78,122
Saturday			
Sunday			
5	78,554	157	78,711
6	79,427	150	79,577
7	78,002	155	78,157
8	78,232	170	78,402
9	77,958	176	78,134
Saturday			
Sunday			
12	78,137	181	78,318
13	78,147	179	78,326
14	78,618	175	78,793
15	78,933	157	79,090
16	79,482	152	79,634
Saturday			
Sunday			
19	80,827	153	80,980
20	80,662	149	80,811
21	80,276	195	80,471
22	80,010	193	80,203
23	80,510	178	80,688
Saturday			
Sunday			
Holiday			
27	80,848	174	81,022
28	80,532	169	80,701
29	80,852	171	81,023
30	81,320	171	81,491
Saturday			

Table 11. CORN: Open contracts, Chicago Board of Trade
December 1960

Date	Future					All futures
	December	March	May	July	September	
1960 December	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1	7,846	34,956	23,308	10,488	1,093	77,691
2	7,239	35,262	23,574	10,763	1,143	77,981
Saturday						
Sunday						
5	6,861	35,896	23,790	10,824	1,183	78,554
6	6,605	36,255	24,019	11,287	1,261	79,427
7	5,802	35,242	24,477	11,155	1,326	78,002
8	5,271	35,081	24,870	11,362	1,648	78,232
9	4,880	34,586	25,060	11,627	1,805	77,958
Saturday						
Sunday						
12	4,525	34,751	25,213	11,833	1,815	78,137
13	4,015	34,770	25,548	11,909	1,905	78,147
14	3,450	34,812	26,013	12,133	2,210	78,618
15	2,561	35,127	26,648	12,267	2,330	78,933
16	1,803	35,522	27,294	12,368	2,495	79,482
Saturday						
Sunday						
19	1,551	35,783	27,810	13,117	2,566	80,827
20	595	36,084	28,077	13,270	2,636	80,662
21	55	36,000	28,182	13,339	2,700	80,276
22	---	35,277	28,433	13,538	2,762	80,010
23	---	35,236	28,578	13,909	2,787	80,510
Saturday						
Sunday						
Holiday						
27	---	35,202	28,889	13,949	2,808	80,848
28	---	34,540	28,889	14,260	2,843	80,532
29	---	34,661	28,933	14,403	2,855	80,852
30	---	34,312	29,186	14,902	2,920	81,320
Saturday						

Table 12. CORN: High, low and closing prices, three principal futures, Chicago Board of Trade, December 1960

[illegible]

1890

1891

1892

1893

1894

1895

1896

1897

1898

1899

1900

1901

1902

1903

1904

1905

1906

1907

1908

1909

1910

1911

1912

1913

1914

1915

1916

1917

1918

1919

1920

1921

1922

1923

1924

1925

1926

1927

1928

1929

1930

1931

1932

1933

1934

1935

1936

1937

1938

1939

1940

1941

1942

1943

1944

1945

1946

1947

1948

1949

1950

1951

1952

1953

1954

1955

1956

1957

1958

1959

1960

1961

1962

1963

1964

1965

1966

1967

1968

1969

1970

1971

1972

1973

1974

1975

1976

1977

1978

1979

1980

1981

1982

1983

1984

1985

1986

1987

1988

1989

1990

1991

1992

1993

1994

Table 13. OATS: Volume of trading, all futures combined, by markets
December 1960

Date	Chicago Board of Trade	Minneapolis Grain Exchange	Other contract markets	Total
1960	1,000	1,000	1,000	1,000
December	bushels	bushels	bushels	bushels
1	12,026	175	39	12,240
2	7,044	212	---	7,256
Saturday				
Sunday				
5	5,309	42	2	5,353
6	5,716	58	9	5,783
7	5,350	32	46	5,428
8	5,344	221	22	5,587
9	2,730	38	11	2,779
Saturday				
Sunday				
12	2,219	29	---	2,248
13	2,050	13	4	2,067
14	2,650	31	90	2,771
15	1,665	29	15	1,709
16	3,474	18	---	3,492
Saturday				
Sunday				
19	2,972	30	6	3,008
20	3,912	12	24	3,948
21	4,380	25	25	4,430
22	1,920	42	---	1,962
23	1,223	41	25	1,289
Saturday				
Sunday				
Holiday				
27	2,072	19	14	2,105
28	2,095	37	---	2,132
29	2,074	31	5	2,110
30	3,249	16	14	3,279
Saturday				
Total				
Dec. 1960	79,474	1,151	351	80,976
Nov. 1960	111,975	2,232	870	115,077
Dec. 1959	41,580	1,468	231	43,279

Table 14. OATS: Volume of trading, Chicago Board of Trade
December 1960

Date	Future					All futures
	December	March	May	July	September	
1960 December	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1	5,581	3,857	1,946	477	165	12,026
2	3,143	2,190	1,200	501	10	7,044
Saturday						
Sunday						
5	2,440	1,754	903	155	57	5,309
6	1,591	2,291	1,126	676	32	5,716
7	1,042	2,121	1,343	804	40	5,350
8	758	1,838	1,986	707	55	5,344
9	266	1,056	1,096	262	50	2,730
Saturday						
Sunday						
12	128	728	1,034	324	5	2,219
13	161	922	898	60	9	2,050
14	287	1,245	958	150	10	2,650
15	149	624	630	232	30	1,665
16	560	1,476	1,148	236	54	3,474
Saturday						
Sunday						
19	320	1,372	1,196	57	27	2,972
20	876	1,079	1,542	303	112	3,912
21	---	2,086	1,794	426	74	4,380
22	---	626	969	295	30	1,920
23	---	438	524	227	34	1,223
Saturday						
Sunday						
Holiday						
27	---	820	982	155	115	2,072
28	---	677	1,016	370	32	2,095
29	---	837	893	344	---	2,074
30	---	1,479	1,323	447	---	3,249
Saturday						
Total						
Dec. 1960	17,302	29,516	24,507	7,208	941	79,474
Nov. 1960	47,519	31,260	25,128	7,326	742	111,975
Dec. 1959	7,381	17,787	14,095	1,842	475	41,580

Table 15. OATS: Open contracts, all futures combined, by markets
December 1960

Date	Chicago Board of Trade	Minneapolis Grain Exchange	Other contract markets	Total
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1960				
December				
1	40,924	891	448	42,263
2	39,932	873	403	41,208
Saturday				
Sunday				
5	39,459	724	403	40,586
6	38,470	696	398	39,564
7	37,528	703	422	38,653
8	37,615	827	427	38,869
9	37,729	838	426	38,993
Saturday				
Sunday				
12	37,778	826	426	39,030
13	38,317	824	426	39,567
14	38,140	834	426	39,400
15	38,328	833	391	39,552
16	38,407	816	391	39,614
Saturday				
Sunday				
19	38,415	811	397	39,623
20	38,666	816	409	39,891
21	38,211	810	395	39,416
22	38,250	812	395	39,457
23	38,457	812	420	39,689
Saturday				
Sunday				
Holiday				
27	38,941	816	425	40,182
28	39,149	819	425	40,393
29	39,020	801	425	40,246
30	38,614	794	411	39,819
Saturday				

Table 16. OATS: Open contracts, Chicago Board of Trade
December 1960

Date	Future					All futures
	December	March	May	July	September	
1960 December	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1	5,720	17,653	13,003	4,011	537	40,924
2	3,812	18,144	13,369	4,060	547	39,932
Saturday						
Sunday						
5	2,457	18,650	13,660	4,095	597	39,459
6	1,780	18,128	13,556	4,377	629	38,470
7	1,420	17,847	13,486	4,136	639	37,528
8	1,140	17,871	13,997	3,933	674	37,615
9	846	17,883	14,418	3,888	694	37,729
Saturday						
Sunday						
12	736	17,798	14,717	3,828	699	37,778
13	736	18,033	14,999	3,848	701	38,317
14	767	17,903	14,826	3,933	711	38,140
15	765	18,110	14,751	3,961	741	38,328
16	802	17,995	14,956	3,906	748	38,407
Saturday						
Sunday						
19	557	17,910	15,277	3,913	758	38,415
20	551	17,889	15,504	3,932	790	38,666
21	22	17,737	15,613	4,022	817	38,211
22	---	17,604	15,729	4,080	837	38,250
23	---	17,645	15,797	4,153	862	38,457
Saturday						
Sunday						
Holiday						
27	---	17,760	16,116	4,168	897	38,941
28	---	17,737	16,205	4,298	909	39,149
29	---	17,620	16,173	4,318	909	39,020
30	---	17,084	16,246	4,375	909	38,614
Saturday						

Table 17. OATS: Daily closing prices, at Chicago, Minneapolis and Winnipeg
and rate of exchange Canadian currency
December 1960

1961 May future				
Date	Chicago Board of Trade	Minneapolis Grain Exchange	Winnipeg Grain Exchange	Exchange Rate 1/ Canadian Currency 2/
1960				
December	Cents	Cents	Cents	Cents
1	64 1/4-3/8	59 3/4 a	76 3/4 b	102.2135
2	64 1/2 a	59 3/4	77 1/8 a	102.2473
Saturday				
Sunday				
5	65 3/8	60 1/4	77 1/8 b	102.2447
6	65 7/8	60 1/2	77 1/4 b	102.3828
7	66 1/8-66	61 3/8 b	77 1/2 b	102.5052
8	65 3/4	60 5/8 b	77 1/2	102.4270
9	65 1/4-3/8	60 a	77 1/4	102.2369
Saturday				
Sunday				
12	65 7/8-3/4	60 1/2 a	77 1/4 a	102.3151
13	65 3/4 b	60 1/2	77-77 1/8	102.3125
14	65 1/4-3/8	60 1/4 a	76 3/4 b	102.2187
15	66-65 7/8	60 1/4	76 3/8 a	102.1901
16	66 3/8	60 7/8	76 1/4 b	102.1901
Saturday				
Sunday				
19	66 5/8-1/2	60 3/8 a	76 1/2	102.1197
20	66 1/2-3/8	60 1/4 b	76 1/2	102.0130
21	67 1/2-5/8	61	76 1/8	101.5906
22	67 1/4	60 7/8 a	75 3/4 a	101.0937
23	67 1/4	60 3/8	75 5/8	101.0494
Saturday				
Sunday				
Holiday				
27	66 1/8	60 1/8 a	Holiday	100.9557
28	67 a	60	75 1/4 a	100.2812
29	67 1/4-1/8	60 n	75 3/8 a	100.4296
30	66 1/2-5/8	60 n	75 7/8 b	100.3750
Saturday				

1/ As reported by the Chicago Board of Trade and converted to American Currency at rates shown.

2/ Based on noon buying rates in New York certified for customs purposes by the Federal Reserve Bank of New York.

Table 19. RYE: Volume of trading, all futures combined, by markets
December 1960

Date	Chicago Board of Trade	Other contract markets	Total
1960	1,000	1,000	1,000
<u>December</u>	<u>bushels</u>	<u>bushels</u>	<u>bushels</u>
1	2,698	39	2,737
2	1,857	12	1,869
Saturday			
Sunday			
5	1,483	30	1,513
6	1,235	16	1,251
7	2,353	67	2,420
8	1,899	29	1,928
9	670	28	698
Saturday			
Sunday			
12	1,939	67	2,006
13	1,214	66	1,280
14	865	40	905
15	756	8	764
16	813	10	823
Saturday			
Sunday			
19	983	20	1,003
20	1,359	35	1,394
21	1,550	44	1,594
22	1,168	16	1,184
23	371	3	374
Saturday			
Sunday			
Holiday			
27	1,156	10	1,166
28	907	19	926
29	1,551	18	1,569
30	1,389	11	1,400
Saturday			
Total			
Dec. 1960	28,216	588	28,804
Nov. 1960	36,899	876	37,775
Dec. 1959	65,657	1,043	66,700

Table 20. RYE: Volume of trading, Chicago Board of Trade
December 1960

Date	Future					All futures
	December	March	May	July	September	
1960 December	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1	1,151	803	686	58		2,698
2	621	733	406	97		1,857
Saturday						
Sunday						
5	467	604	342	70		1,483
6	331	623	232	49		1,235
7	579	863	709	202		2,353
8	486	764	472	177		1,899
9	103	294	198	75		670
Saturday						
Sunday						
12	381	828	658	72		1,939
13	216	513	335	150		1,214
14	63	411	277	114		865
15	105	329	287	35		756
16	35	344	319	115		813
Saturday						
Sunday						
19	75	402	429	77		983
20	480	521	205	153		1,359
21	---	579	577	354	40	1,550
22	---	485	481	202	---	1,168
23	---	188	148	35	---	371
Saturday						
Sunday						
Holiday						
27	---	258	746	152	---	1,156
28	---	271	205	431	---	907
29	---	541	610	400	---	1,551
30	---	531	565	293	---	1,389
Saturday						
Total						
Dec. 1960	5,093	10,885	8,887	3,311	40	28,216
Nov. 1960	12,898	13,024	9,427	1,550	---	36,899
Dec. 1959	9,741	23,412	18,406	12,058	2,040	65,657

Table 21. RYE: Open contracts, all futures combined, by markets
December 1960

Date	Chicago Board of Trade	Other contract markets	Total
1960	1,000	1,000	1,000
<u>December</u>	<u>bushels</u>	<u>bushels</u>	<u>bushels</u>
1	10,216	154	10,370
2	9,877	138	10,015
Saturday			
Sunday			
5	9,771	139	9,910
6	9,776	141	9,917
7	9,591	162	9,753
8	9,774	167	9,941
9	9,637	176	9,813
Saturday			
Sunday			
12	10,263	186	10,449
13	10,232	196	10,428
14	10,243	185	10,428
15	10,250	183	10,433
16	10,257	184	10,441
Saturday			
Sunday			
19	10,260	182	10,442
20	10,876	176	11,052
21	10,809	184	10,993
22	10,830	187	11,017
23	10,855	187	11,042
Saturday			
Sunday			
Holiday			
27	10,657	179	10,836
28	10,563	181	10,744
29	10,941	171	11,112
30	10,787	163	10,950
Saturday			

Table 22. RYE: Open contracts, Chicago Board of Trade
December 1960

Date	Future					All futures
	December	March	May	July	September	
1960 December	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1	1,566	5,019	2,992	639		10,216
2	1,107	5,074	3,039	657		9,877
Saturday						
Sunday						
5	839	5,164	3,093	675		9,771
6	688	5,254	3,172	662		9,776
7	506	5,092	3,260	733		9,591
8	423	5,288	3,283	780		9,774
9	195	5,329	3,298	815		9,637
Saturday						
Sunday						
12	350	5,610	3,463	840		10,263
13	243	5,573	3,518	898		10,232
14	168	5,513	3,617	945		10,243
15	180	5,469	3,651	950		10,250
16	90	5,478	3,674	1,015		10,257
Saturday						
Sunday						
19	96	5,424	3,718	1,022		10,260
20	347	5,693	3,756	1,080		10,876
21	5	5,642	3,883	1,239	40	10,809
22	---	5,605	3,867	1,318	40	10,830
23	---	5,590	3,887	1,338	40	10,855
Saturday						
Sunday						
Holiday						
27	---	5,566	3,687	1,364	40	10,657
28	---	5,513	3,705	1,305	40	10,563
29	---	5,538	3,888	1,475	40	10,941
30	---	5,469	3,819	1,459	40	10,787
Saturday						

Table 23. RYE: Daily closing prices, at Chicago and Winnipeg
December 1960

Date	1961 May future	
	Chicago	Winnipeg
	Board of	Grain
	Trade	Exchange ^{1/}
1960	Cents	Cents
December		
1	116-115 3/4	100 5/8 b
2	117	101 1/4 a
Saturday		
Sunday		
5	117 1/2	101 3/4 a
6	116 5/8-1/2	101 1/2
7	118 1/2-3/4	102 7/8a-103
8	118	103 1/4 a
9	117 1/2-5/8	102 1/4
Saturday		
Sunday		
12	118 7/8-3/4	103 1/2 b
13	117 3/4	102 7/8-103
14	118 3/8	102 7/8a-103
15	117 1/2	102 3/8-1/2
16	117 1/2-5/8	102-02 1/8
Saturday		
Sunday		
19	117	102 a
20	117 3/8	102 1/4 a
21	118 7/8-3/4	102 5/8 b
22	118 7/8-3/4	103 3/8
23	118 3/4	103 5/8 b
Saturday		
Sunday		
Holiday		
27	117 3/4	Holiday
28	119	102 3/4 a
29	119 3/4	103 3/4 b
30	119 1/2	103 1/2 a
Saturday		

^{1/} As reported by the Chicago Board of Trade and converted to American
Currency at rates shown in Table 17.

Table 25. SOYBEANS: Volume of trading, all futures combined, by markets
December 1960

Date	Chicago Board of Trade	Chicago Open Board	Total
1960	1,000	1,000	1,000
December	bushels	bushels	bushels
1	19,154	302	19,456
2	20,468	637	21,105
Saturday			
Sunday			
5	23,281	521	23,802
6	30,975	442	31,417
7	31,994	484	32,478
8	24,028	462	24,490
9	22,176	348	22,524
Saturday			
Sunday			
12	30,571	313	30,884
13	24,897	583	25,480
14	22,959	569	23,528
15	15,885	414	16,299
16	19,317	320	19,637
Saturday			
Sunday			
19	39,649	524	40,173
20	27,978	460	28,438
21	42,632	534	43,166
22	43,812	581	44,393
23	58,505	519	59,024
Saturday			
Sunday			
Holiday			
27	57,726	554	58,280
28	44,909	513	45,422
29	108,094	816	108,910
30	79,132	635	79,767
Saturday			
Total			
Dec. 1960	788,142	10,531	798,673
Nov. 1960	715,540	10,551	726,091
Dec. 1959	686,003	9,463	695,466

Table 26. SOYBEANS: Volume of trading, Chicago Board of Trade
December 1960

Date	Future						All futures
	January	March	May	July	September	November	
1960	1,000	1,000	1,000	1,000	1,000	1,000	1,000
December	bushels	bushels	bushels	bushels	bushels	bushels	bushels
1	3,835	4,910	6,172	3,768	469		19,154
2	5,020	5,225	6,545	3,119	559		20,468
Saturday							
Sunday							
5	4,759	6,331	7,696	3,889	606		23,281
6	6,473	8,527	9,755	5,776	444		30,975
7	6,154	8,045	10,935	5,581	1,279		31,994
8	4,441	5,670	8,107	4,401	1,409		24,028
9	4,892	4,557	7,724	3,823	1,180		22,176
Saturday							
Sunday							
12	5,854	7,182	9,870	5,887	1,392	386	30,571
13	5,189	5,863	7,520	5,147	806	372	24,897
14	3,891	4,708	8,098	4,876	941	445	22,959
15	3,509	3,071	5,529	2,932	418	426	15,885
16	3,888	3,253	6,962	3,056	1,739	419	19,317
Saturday							
Sunday							
19	7,760	9,108	12,945	7,936	1,295	605	39,649
20	4,457	6,071	10,381	5,658	1,002	409	27,978
21	8,026	9,749	14,679	7,485	1,862	831	42,632
22	7,878	10,736	14,077	7,355	2,375	1,391	43,812
23	8,613	13,840	17,688	12,709	4,017	1,638	58,505
Saturday							
Sunday							
Holiday							
27	6,020	14,512	20,777	11,313	2,834	2,270	57,726
28	5,134	11,172	15,725	9,407	2,023	1,448	44,909
29	15,587	26,026	35,956	23,941	3,961	2,623	108,094
30	12,029	19,152	25,410	17,817	3,152	1,572	79,132
Saturday							
Total							
Dec. 1960	133,409	187,708	262,551	155,876	33,763	14,835	788,142
Nov. 1960	159,033	167,107	234,090	95,068	6,485	53,757	715,540
Dec. 1959	120,706	181,230	232,279	128,756	23,032	---	686,003

Table 27. SOYBEANS: Open contracts, all futures combined, by markets
December 1960

Date	Chicago Board of Trade	Chicago Open Board	Total
1960	1,000	1,000	1,000
<u>December</u>	<u>bushels</u>	<u>bushels</u>	<u>bushels</u>
1	209,930	882	210,812
2	209,365	882	210,247
Saturday			
Sunday			
5	208,789	975	209,764
6	211,186	957	212,143
7	211,732	939	212,671
8	213,280	1,069	214,349
9	213,420	1,029	214,449
Saturday			
Sunday			
12	214,296	1,066	215,362
13	214,758	982	215,740
14	213,704	1,042	214,746
15	213,292	1,037	214,329
16	213,698	1,085	214,783
Saturday			
Sunday			
19	216,048	993	217,041
20	217,251	899	218,150
21	217,645	914	218,559
22	216,564	952	217,516
23	219,713	926	220,639
Saturday			
Sunday			
Holiday			
27	224,480	914	225,394
28	227,959	905	228,864
29	232,034	1,017	233,051
30	237,976	1,037	239,013
Saturday			

Table 28. SOYBEANS: Open contracts, Chicago Board of Trade
December 1960

Date	Future							All futures
	January	March	May	July	September	November		
1960 December	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1	45,656	61,014	71,937	28,061	3,262			209,930
2	45,474	60,811	71,297	28,140	3,643			209,365
Saturday								
Sunday								
5	45,266	59,989	70,464	29,122	3,948			208,789
6	44,274	61,263	70,938	30,764	3,947			211,186
7	43,272	61,552	71,395	31,346	4,167			211,732
8	43,233	61,650	71,267	32,220	4,910			213,280
9	42,212	61,611	71,078	33,139	5,380			213,420
Saturday								
Sunday								
12	41,137	61,877	70,964	34,210	5,807	301		214,296
13	40,294	62,061	70,313	35,487	6,065	538		214,758
14	39,439	61,716	70,214	35,229	6,233	873		213,704
15	38,712	61,394	70,240	35,733	6,104	1,109		213,292
16	38,034	61,310	70,222	36,222	6,542	1,368		213,698
Saturday								
Sunday								
19	36,444	61,855	71,051	38,401	6,546	1,751		216,048
20	35,554	61,910	72,245	38,726	6,859	1,957		217,251
21	33,579	61,806	72,841	39,631	7,515	2,273		217,645
22	30,844	61,064	72,855	40,524	8,222	3,055		216,564
23	29,405	60,799	74,350	42,461	8,910	3,788		219,713
Saturday								
Sunday								
Holiday								
27	28,156	61,272	76,338	45,080	8,810	4,824		224,480
28	27,056	61,811	77,972	46,883	8,968	5,269		227,959
29	24,544	61,557	79,400	50,891	9,222	6,420		232,034
30	22,172	63,247	80,162	55,235	10,047	7,113		237,976
Saturday								

Table 29. SOYBEANS: High, low and closing prices, three principal futures, Chicago Board of Trade, December 1960.

Date	1961 January future	1961 March future	1961 May future
	:High	:High	:High
	Low	Low	Low
	Closing	Closing	Closing
1960			
December:	Cents	Cents	Cents
1	:216 1/8	215 1/8-1/4	219 1/2-3/8
2	:216 1/4	214 3/4	215 1/4-1/8
Saturday			
Sunday			
5	:216 3/4	215 1/4	216 5/8-3/4
6	:217 1/2	216 1/4	216 3/8-1/4
7	:218	216 3/4	218-217 7/8
8	:218 1/4	217 3/8	217 1/2-3/8
9	:218 1/8	217 3/8	218
Saturday:			
Sunday			
12	:219 3/8	218 5/8	219 1/4-3/8
13	:219 1/2	218 1/4	218 3/8-1/4
14	:218 7/8	217 1/2	218 5/8-3/4
15	:218 3/4	217 3/4	218 3/8-1/2
16	:219	218 1/4	218 3/8-1/2
Saturday:			
Sunday			
19	:220 5/8	219 1/2	220 1/4
20	:221 3/8	220 1/8	221 3/8-1/4
21	:223 1/4	221 1/2	223 1/4-1/8
22	:223 3/4	222 5/8	223 5/8-3/4
23	:226 1/4	223 3/8	225 7/8-226
Saturday:			
Sunday			
Holiday			
27	:226 1/2	224 1/8	224 1/8-1/4
28	:226 1/4	224	226 1/8-1/4
29	:231 1/4	226 1/2	230 1/4-1/8
30	:232	229 1/4	230 1/8-230
Saturday			

Journal of Management Education 30(6)p. 789-804
© The Author(s) 2006
Reprints and permissions:
<http://www.sagepub.com/journalsPermissions.nav>

the 1990s, the number of people in the world who are under 15 years of age is expected to increase from 1.1 billion to 1.5 billion. The number of people aged 65 and over is expected to increase from 200 million to 400 million. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion.

Table 30. SOYBEANS: Commitments of traders
all contract markets ^{1/} combined,
November 30, and December 31, 1960

(In thousands of bushels)

Class ^{2/}	November 30, 1960		December 31, 1960		Net Change	
	Long	Short	Long	Short	Long	Short
Large traders						
Speculative:						
Long or short only	30,147	8,314	41,929	4,799	+ 11,782	- 3,515
Long and short (spreading)	42,661	42,661	50,829	50,829	+ 8,168	+ 8,168
Total	72,808	50,975	92,758	55,628	+ 19,950	+ 4,653
Hedging	15,145	105,835	13,055	112,542	- 2,090	+ 6,707
Total reported by large traders	87,953	156,810	105,813	168,170	+17,860	+11,360
Small traders						
Speculative and hedging:	121,888	53,031	133,200	70,843	+11,312	+17,812
Total commitments (open contracts)						
All contract markets	209,841	209,841	239,013	239,013	+29,172	+29,172
Percent of total commit- ments held by:						
Large traders	41.9	74.7	44.3	70.4	+ 2.4	- 4.3
Small traders	58.1	25.3	55.7	29.6	- 2.4	+ 4.3

^{1/} Chicago Board of Trade and Chicago Open Board of Trade.

^{2/} The commitments of large traders, those holding positions of 200,000 bushels or more in one future on one market, are shown as classified by them in regular reports to the Commodity Exchange Authority. The commitments of small traders are derived by subtracting reporting traders commitments from total commitments and include both speculative and hedging positions.

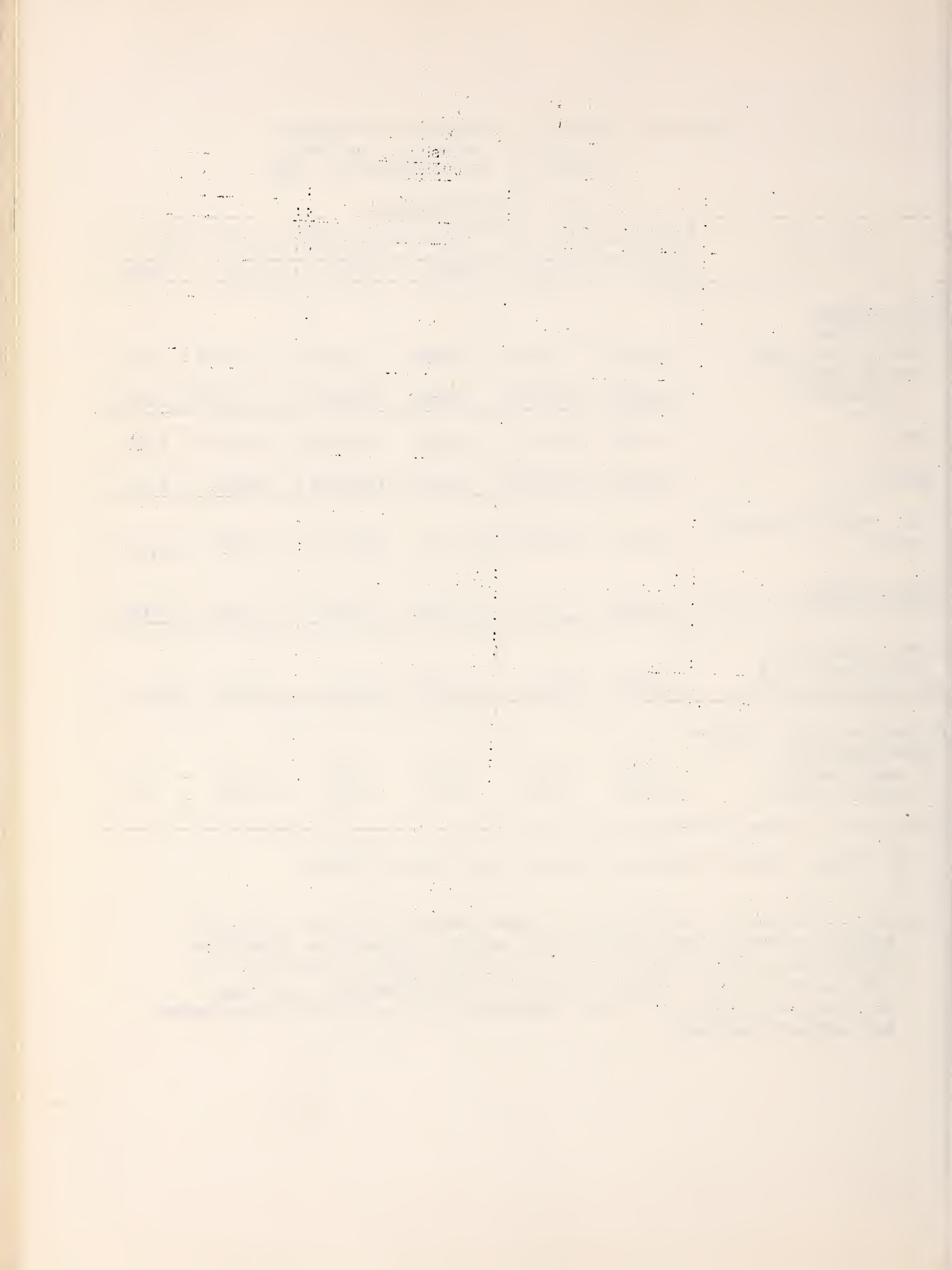


Table 31. 1960 NOVEMBER FUTURE: Deliveries of grain on all contract markets

Commodity and Market	: Initial : Deliveries :	: : Redeliveries :	: Total : Deliveries :	: Notices : Passed :
<u>WHEAT</u>	1,000 <u>bushels</u>	1,000 <u>bushels</u>	1,000 <u>bushels</u>	1,000 <u>bushels</u>
Chicago Board of Trade	3,875	12,204	16,079	4,921
Chicago Open Board	---	---	---	---
Minneapolis	---	---	---	---
Memphis	---	---	---	---
Kansas City	---	---	---	---
TOTAL, ALL MARKETS	3,875	12,204	16,079	4,921

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The number of transformed cells was determined by the number of colonies growing on the selective medium. The results are the mean of three independent experiments. Error bars represent standard deviation.

...and the *Journal of the American Medical Association* (JAMA) has been the most influential journal in the field of medicine for over a century.

10

1. *Phragmites* (Common Reed)

1. *Journal of the American Medical Association*, 1997; 277: 1033-1037.

100

10

100

10

100

100

doi:10.1371/journal.pone.0142828.g002

• • •

2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812 2813 2814 2815 2816 2817 2818

[illegible]

• • • • •

1998

[illegible]

10

United States Department of Agriculture
COMMODITY EXCHANGE AUTHORITY
Alex C. Caldwell, Administrator

Field Offices

Chicago 4, Illinois

Albert W. Kibby, In charge
1200 Board of Trade Bldg.

Kansas City 5, Missouri

L. E. Wolf, In charge
854 Board of Trade Bldg.

Minneapolis 15, Minnesota

Gerald J. Swoboda, In charge
510 Grain Exchange Bldg.

New Orleans 12, Louisiana

W. D. Espy, In charge
308 Cotton Exchange Bldg.

New York 4, New York

Roy Tipton, In charge
Room 1202, 44 Beaver St.

Markets Supervised

Chicago Board of Trade
Chicago Mercantile Exchange
Chicago Open Board
Milwaukee Grain Exchange

Kansas City Board of Trade

Duluth Board of Trade
Minneapolis Grain Exchange
Portland Grain Exchange
Seattle Grain Exchange

Memphis Board of Trade
Clearing Association
New Orleans Cotton Exchange
San Francisco Grain Exchange

New York Cotton Exchange
New York Mercantile Exchange
New York Produce Exchange
Wool Associates of the New York
Cotton Exchange, Inc.

THE HISTORY OF THE CITY OF BOSTON

FROM THE FIRST SETTLEMENT
TO THE PRESENT TIME

BY
JOSEPH NEALE

THE HISTORY OF THE
CITY OF BOSTON
FROM THE FIRST SETTLEMENT
TO THE PRESENT TIME

THE HISTORY OF THE
CITY OF BOSTON
FROM THE FIRST SETTLEMENT
TO THE PRESENT TIME

THE HISTORY OF THE
CITY OF BOSTON
FROM THE FIRST SETTLEMENT
TO THE PRESENT TIME

THE HISTORY OF THE
CITY OF BOSTON
FROM THE FIRST SETTLEMENT
TO THE PRESENT TIME

THE HISTORY OF THE
CITY OF BOSTON
FROM THE FIRST SETTLEMENT
TO THE PRESENT TIME

THE HISTORY OF THE
CITY OF BOSTON
FROM THE FIRST SETTLEMENT
TO THE PRESENT TIME

THE HISTORY OF THE
CITY OF BOSTON
FROM THE FIRST SETTLEMENT
TO THE PRESENT TIME

THE HISTORY OF THE
CITY OF BOSTON
FROM THE FIRST SETTLEMENT
TO THE PRESENT TIME

THE HISTORY OF THE
CITY OF BOSTON
FROM THE FIRST SETTLEMENT
TO THE PRESENT TIME

THE HISTORY OF THE
CITY OF BOSTON
FROM THE FIRST SETTLEMENT
TO THE PRESENT TIME